Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20030229014 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 3 File: PGPB Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030229014
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030229014 A1

TITLE: Agents and methods for promoting bone growth

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schneider, Gary B.	Hudson	OH	US	
Popoff, Steven N.	Warrington	PA	US	
Safadi, Fayez	Philadelphia	PA	US	

US-CL-CURRENT: 514/8; 514/14, 514/15, 514/16, 514/17, 514/18, 530/322, 530/326, 530/327, 530/328, 530/329, 530/330, 530/331

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: WO 2058589 A2

L2: Entry 2 of 3 File: EPAB Aug 1, 2002

PUB-NO: WO0002058589A2
DOCUMENT-IDENTIFIER: WO 2058589 A2
TITLE: AGENTS AND METHODS FOR PROMOTING BONE GROWTH

PUBN-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	COUNTRY
SCHNEIDER, GARY B	US
POPOFF, STEVEN N	US
SAFADI, FAYEZ	US

ASSIGNEE-INFORMATION:

h e b b g e e e f e g ef b e

NAME	COUNTRY
UNIV NORTHEASTERN OHIO	US
SCHNEIDER GARY B	US
POPOFF STEVEN N	US
SAFADI FAYEZ	US

APPL-NO: US00150471
APPL-DATE: November 9, 2001

PRIORITY-DATA: US24746400P (November 9, 2000)

INT-CL (IPC): A61 F 0/

ABSTRACT:

CHG DATE=20020903 STATUS=O>Agents for promoting bone deposition and growth in a mammalian subject. The agents are O-glycosylated and non-glycosylated peptides that are derived from vitamin D binding protein, collectively referred to hereinafter as "DBP" peptides. The DBP peptides are from 3 to 18, preferably from 4 to 14 amino acids in length and comprise a sequence which is at least 80 % identical, preferably at least 90 % identical to the amino acid sequence of a fragment contained within domain III of DBP. Methods for promoting bone deposition in a subject in need of the same are also provided. The methods comprise administering to the subject a therapeutically effective quantity of an agent selected from the group consisting of an activated form of vitamin D binding protein referred to hereinafter as "ADBP", one or more DBP peptides, and combinations thereof. The agents may be administered locally or systemically.

☐ 3. Document ID: AU 2002246849 A1, WO 200258589 A2, EP 1347953 A2, US 20030229014 A1

L2: Entry 3 of 3 File: DWPI Aug 6, 2002

DERWENT-ACC-NO: 2002-666885
DERWENT-WEEK: 200427

TITLE: New peptide used for increasing bone density e.g. in treatment of osteoporosis comprises specified amino acid sequence

INVENTOR: POPOFF, S N; SAFADI, F ; SCHNEIDER, G B

PATENT-ASSIGNEE:

ASSIGNEE	CODE
UNIV NORTHEASTERN OHIO	UYNEN
POPOFF S N	POPOI
SAFADI F	SAFAI
SCHNEIDER G B	SCHNI

PRIORITY-DATA: 2000US-247464P (November 9, 2000), 2001US-0045673 (November 9, 2001)

h e b b g e e e f e g ef b e

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2002246849 A1	August 6, 2002		000	A61F000/00
WO 200258589 A2	August 1, 2002	E	049	A61F000/00
EP 1347953 A2	October 1, 2003	E	000	C07C401/00
US 20030229014 A1	December 11, 2003		000	A61K038/14

DESIGNATED-STATES: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
AU2002246849A1	November 9, 2001	2002AU-0246849	
AU2002246849A1		WO 200258589	Based on
WO 200258589A2	November 9, 2001	2001WO-US50471	
EP 1347953A2	November 9, 2001	2001EP-0994457	
EP 1347953A2	November 9, 2001	2001WO-US50471	
EP 1347953A2		WO 200258589	Based on
US20030229014A1	November 9, 2000	2000US-247464P	Provisional
US20030229014A1	November 9, 2001	2001US-0045673	

INT-CL (IPC): A61 F 0/00; A61 K 31/59; A61 K 38/06; A61 K 38/08; A61 K 38/10; A61 K 38/14; C07 C 401/00; C07 K 7/06; C07 K 7/08; C07 K 9/00

ABSTRACTED-PUB-NO: WO 200258589A
BASIC-ABSTRACT:

NOVELTY - New peptide (P1) comprises the first 3-13 amino acids of a sequence Thr Glu Leu Ala Lys Leu Val Asn Lys Arg Ser (I).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) a peptide (P2) of 12-18 amino acids in length comprising a sequence which is at least 70% identical to a sequence of a peptide fragment from domain III of vitamin-D binding protein (DBP), with the third amino acid of the peptide fragment as Thr that is glycosylated in DBP and when administered to an adult rat at a dose of 0.4 ng/g body weight every other day for two weeks results in an increase in bone density in the (P2)-treated animal compared to a control animal; and

(2) Promoting bone deposition in a mammalian subject by administering ADBP (activated DBP) and/or DBP(s).

ACTIVITY - Osteopathic; Antiarthritic; Vulnerary.

In a test, young adult rats were injected with non-glycosylated peptide containing amino acid sequence of Thr Glu Leu Ala Lys Leu Val Asn Lys Arg Ser into the distal femur. Control rats were injected with saline. After one week, the animals were sacrificed and the femurs were removed for analyses. X-rays showed an increase in bone density at the site of injection in the peptide treated rat. The thickness of the cortical bone was increased in the treated animal and the trabecular bone in

h e b b g e e e f e g ef b e

the distal metaphysis was also increased in density compared to the control animal.

MECHANISM OF ACTION - Vitamin D binder.

USE - Used for increasing bone density (claimed) in the treatment of disorders involving bone loss, particularly osteoporosis, osteogenesis imperfecta, osteopenias, fractures, reconstruction of bone after tumor removal to achieve spine and other joint fusion, bone loss due to avascular necrosis, bone necrosis, in the repair of congenital, trauma induced, and oncologic restriction induced defects, in cosmetic plastic surgery, in bone-involved wound healing and related repair, and in the treatment of periodontal disease and in other tooth repair processes, and in the prevention and treatment of osteoarthritis.

ADVANTAGE - The peptides provide regrowth of host bone and an environment to attract bone-forming cells, stimulate growth of bone-forming cells, induce differentiation of progenitor bone-forming cells and support the regeneration of the periodontal ligament and attachment apparatus that connects bone and teeth.

CHOSEN-DRAWING: Dwg.0/21

TITLE-TERMS: NEW PEPTIDE INCREASE BONE DENSITY TREAT OSTEOPOROSIS COMPRISE SPECIFIED AMINO ACID SEQUENCE

DERWENT-CLASS: B04 P32

CPI-CODES: B04-C01A; B04-C01B; B04-C01C; B04-C01D; B04-N04A; B04-N04B; B14-L01; B14-N01;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M417 M423 M710 M905 P421 P714 P923 P942
Specfic Compounds
A00H1T A00H1N

Chemical Indexing M1 *02*
Fragmentation Code
M417 M423 M710 M905 P421 P714 P923 P942
Specfic Compounds
A00H3T A00H3N

Chemical Indexing M1 *03*
Fragmentation Code
H1 H101 H183 H4 H402 H482 H8 J0 J014 J1
J172 J3 J373 K0 L2 L250 M280 M312 M313 M314
M315 M322 M323 M331 M332 M333 M340 M342 M343 M349
M381 M393 M423 M510 M520 M530 M540 M620 M710 M904
M905 P421 P714 P923 P942
Specfic Compounds
A8CEST A8CESN

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C2002-187197
Non-CPI Secondary Accession Numbers: N2002-527709

h e b b g e e e f e g ef b e

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Term	Documents
BONE	159928
BONES	35439
VITAMIN	69224
VITAMINS	50597
D	5857851
DS	230615
BINDING	456467
BINDINGS	10447
PROTEIN	341143
PROTEINS	215935
(BONE DEPOSIT$3 AND (VITAMIN D BINDING PROTEIN OR DBP OR ACTIVATED FORM OF VITAMIN D BINDING PROTEIN OR ADBP)).PGPB,USPT,USOC,EPAB,JPAB,DWPI.	3

There are more results than shown above. Click here to view the entire set.

Display Format: - Change Format

Previous Page Next Page Go to Doc#

h e b b g e e e f e g ef b e